

Research and Special Programs Administration

## IAEA CERTIFICATE OF COMPETENT AUTHORITY SPECIAL FORM RADIOACTIVE MATERIALS CERTIFICATE NUMBER USA/0240/S, REVISION 2

400 Seventh Street, S.W. Washington, D.C. 20590

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency and the United States of America for the transport of radioactive materials.

- 1. Source Identification Monsanto Research Corporation Model No. 24173.
- 2. Source Description The source described by this certificate is a tungsten-inert-gas welded, double encapsulation constructed of Type 304 stainless steel which measures 22.0 mm (0.868") in diameter x 105 mm (4.13") long. Monsanto Research Corporation Drawing No. A24173-AA00 is attached.
- 3. Radioactive Contents This source consists of not more than 2.04 TBq  $\overline{(55\ \text{Ci})}$  of  $\overline{\text{Pu-}238}$  as an oxide powder mixed with a neutron producing target.
- 4. Quality Assurance Records of Quality Assurance activities required by Paragraph 209 of the IAEA regulations shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
- 5. Expiration Date This certificate expires March 31, 2001.

This certificate is issued in accordance with paragraph 703 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the petition and information dated February 22, 1996 submitted by Halliburton Energy Services, Houston, TX, and in consideration of other information on file in this Office.

Alan I. Roberts

APR - 1 1996

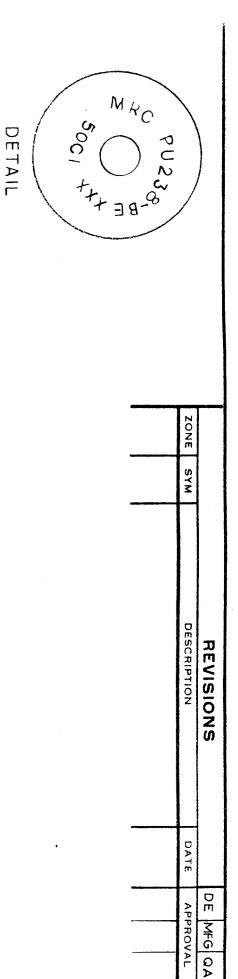
(DATE)

Associate Administrator for Hazardous Materials Safety

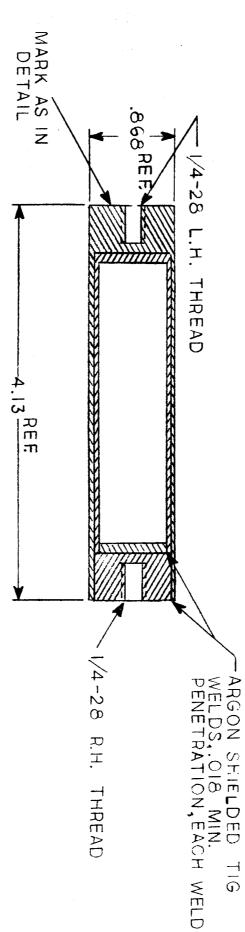
Revision 2 - Issued to extend the expiration date.

<sup>1 &</sup>quot;Safety Series No. 6, Regulations for the Safe Transport of Radioactive Materials, 1985 Edition, as amended 1990", published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

<sup>2</sup> Title 49, Code of Federal Regulations, Parts 100 - 199, United States of America.



DWG.



			MATERIAL 304 S.L. S. LEEL CHECKED	ALL SURFACES V	/ ± 30'	ANGLES		DECIMALS FRACTIONS		DIMENSIONS ARE IN INCHES	INLESS OTHERWISE SPECIFIED	
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SCALE WT ACT. COSE IDENT NO SHEET		MODEL 24173 NEUTRON SOURCE					Monsanto Research Corporation dayton laboratory dayton, ohio					
SHEET 3 OF 3			DWG NO. REV						PORY	CORPORATION		